

Date: Tue, 4 Oct 94 04:30:42 PDT  
From: Ham-Space Mailing List and Newsgroup <ham-space@ucsd.edu>  
Errors-To: Ham-Space-Errors@UCSD.Edu  
Reply-To: Ham-Space@UCSD.Edu  
Precedence: List  
Subject: Ham-Space Digest V94 #278  
To: Ham-Space

Ham-Space Digest                      Tue, 4 Oct 94                      Volume 94 : Issue 278

Today's Topics:

          ARLS032 Listen for Mir beacon  
          STS-68 Orbital State Vector Rev #50  
          Tracking Prg for Ami?

Send Replies or notes for publication to: <Ham-Space@UCSD.Edu>  
Send subscription requests to: <Ham-Space-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Space Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-space".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.  
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Date: Mon, 03 Oct 1994 11:45:41 EDT  
From: w1aw@arrl.org  
Subject: ARLS032 Listen for Mir beacon

SB SPACE @ ARL \$ARLS032  
ARLS032 Listen for Mir beacon

ZCZC AS76  
QST de W1AW  
Space Bulletin 032 ARLS032  
From ARRL Headquarters  
Newington, CT October 3, 1994  
To all radio amateurs

SB SPACE ARL ARLS032  
ARLS032 Listen for Mir beacon

German astronaut Dr. Ulf Merbold will be active aboard the space  
station MIR, signing DP3MIR, during the European Space Agency's  
EUROMIR 94 mission, scheduled to begin October 3.

Dr Merbold will give ''information regarding the mission'' using a digital voice memory designed and built by Thomas Kieselbach, DL2MDE. Kieselbach has arranged with Dr Merbold to load actual spoken reports into the digital memory as frequently as time permits, probably every two to three days, according to Norbert Notthoff, DF5DP, the Deutscher Amateur Radio Club's Coordinator for Satellites and Space Projects.

The reports in English and German will be retransmitted automatically on 145.550 MHz FM.

Dr Merbold will stay aboard MIR for 30 days.

NNNN

/EX

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Date: Mon, 3 Oct 1994 14:37:35 GMT  
From: astroman@netcom.com (SignalMan)  
Subject: STS-68 Orbital State Vector Rev #50

Vector format = 117

|                  |                             |
|------------------|-----------------------------|
| Satellite Name:  | STS-68                      |
| Catalog Number:  | 23285 94062A                |
| Epoch Date/Time: | 94276.50123519676           |
|                  | 10/03/1994 12:01:46.721 UTC |
| EFG E:           | 2514157.25 ft               |
| F:               | -13874820.34 ft             |
| G:               | 16407933.33 ft              |
| Edot:            | 18067.6634 ft/s             |
| Fdot:            | 14067.4224 ft/s             |
| Gdot:            | 9120.5219 ft/s              |
| ndot/2 (drag):   | 0.00181325949 rev/day^2     |
| nddt/6:          | 1.35224E-07 rev/day^3       |
| Bstar:           | 8.53899E-05 1/Earth Radii   |
| Elset #:         | 7                           |
| Rev @ Epoch:     | 50.17990446847              |

MSDOS/PC software is available for conversion of OSV to 2 Line Keplerian Elements via ftp to:  
oak.oakland.edu:/pub/msdos/hamradio/v2l9331.zip  
and the SIMTEL archives.

State Vectors courtesy Ken Ernandes N2WWD

SM

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Date: Sun, 2 Oct 94 12:39:17 CET  
From: ANDRE\_BREMER@AWORLD.aworld.de (Andre Bremer)  
Subject: Tracking Prg for Ami?

jamesb@clark.net (James Alex Brooks) wrote:

JB> I was just wondering if there is a sat tracking program for the Amiga  
JB> computer? I have the A4000 and A2000. Mainl, I will be tracking the  
JB> SATs with the A2000. Any info would help.

Hello!

I've got AmiSat by DG7YFQ which displays Satellites on a world map,  
calculates antenna postitions and so on.  
It works fine on any Amiga, I've tested it on an A 500 and on my  
A 1200...

JB> Thanks,  
JB>  
JB>  
JB> --  
JB> James "Alex" Brooks  
JB> ARS N4POE  
JB> {Packet Station}  
JB>

Greetings, Andre

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Andre\_Bremer@aworld.aworld.de | SMail: : Rosendahler Str. 92  
Packet: DH4DAP @ DB0END.#NRW.DEU.EU | D- 58285 Gevelsberg  
73 to all Ham's! (Phonie via DB0EN) | Voice: V+49-02332-4295

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Date: Mon, 3 Oct 1994 14:15:39 GMT  
From: elements-request@alsys.com (Shuttle Elements)

References<STS-68.94273.528@alsys.com> <STS-68.94273.713@alsys.com>,  
<STS-68.94274.824@alsys.com>  
Reply-To: elements-request@alsys.com  
Subject: STS-68 Element Set (94276.120)

STS-68

1 23285U 94 62 A 94276.12007817 .00177240 13808-4 93117-4 0 64

2 23285 57.0041 65.3969 0009364 282.2179 77.7835 16.20748183 445

Satellite: STS-68

Catalog number: 23285

Epoch time: 94276.12007817 = (03 OCT 94 02:52:54.75 UTC)

Element set: 006

Inclination: 57.0041 deg

RA of node: 65.3969 deg

Eccentricity: .0009364

Arg of perigee: 282.2179 deg

Mean anomaly: 77.7835 deg

Mean motion: 16.20748183 rev/day

Decay rate: 1.77240e-03 rev/day^2

Epoch rev: 44

Space Shuttle Flight STS-68  
Keplerian element set JSC-006  
from NASA flight Day 3 vector

Gil Carman

NASA Johnson Space Center

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San Diego, CA, USA

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Packet: KK6YB @ N0ARY.#NOCAL.CA.USA.NA

Phone: +1 619-457-2700 x128 (voice/fax)

Date: Mon, 3 Oct 1994 16:30:57 GMT

From: elements-request@alsys.com (Shuttle Elements)

References<STS-68.94273.713@alsys.com> <STS-68.94274.824@alsys.com>,  
<STS-68.94276.120@alsys.com>

Reply-To: elements-request@alsys.com

Subject: STS-68 Element Set (94276.675)

STS-68

1 23285U 94 62 A 94276.67518413 .00136094 11322-4 71939-4 0 73

2 23285 57.0063 62.7154 0009256 276.8039 83.1971 16.20939096 537

Satellite: STS-68

Catalog number: 23285

Epoch time: 94276.67518413 = (03 OCT 94 16:12:15.90 UTC)

Element set: 007

Inclination: 57.0063 deg

RA of node: 62.7154 deg

Eccentricity: .0009256

Arg of perigee: 276.8039 deg

Mean anomaly: 83.1971 deg

Mean motion: 16.20939096 rev/day

Decay rate: 1.36094e-03 rev/day^2

Epoch rev: 53

Space Shuttle Flight STS-68  
Keplerian element set JSC-007  
from NASA flight Day 4 vector

Gil Carman

NASA Johnson Space Center

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|                    |   |
|--------------------|---|
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End of Ham-Space Digest V94 #278

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